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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/605,399 <b>Examiner</b>	SHIUNG, DAVID <b>Art Unit</b>
	Khanh Tran	2611

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address--*

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the Amendment filed on 05/04/2007.
2.  The allowed claim(s) is/are 1,2,4-13,15-20 and 22-27, which have been renumbered as set forth in the Office action.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

1. The Amendment filed on 05/04/2007 has been entered. Claims 1-2, 4-13, 15-20 and 22-27 are pending in this Office action.

2. Claims have been renumbered as shown below respectively:

claims 4-11 renumbered as claims 3-10;

claim 13 renumbered as claim 11;

claims 15-17 renumbered as claims 12-14;

claim 12 renumbered as claim 15;

claims 18-20 renumbered as claims 16-18; and

claims 22-27 renumbered as claims 19-24.

### ***Response to Arguments***

3. Applicant's arguments, see Applicant' Remarks, filed on 05/04/2007, with respect to claims 1-2, 4-13 and 15-27 have been fully considered and are persuasive. The rejection of claims 1-2, 4-13 and 15-27 has been withdrawn.

4. As stated in the last Office action, acknowledgment is made of applicant's claim for foreign priority based on an application filed in TAIWAN on 09/02/2003. It is noted, however, that applicant has not filed a certified copy of the **92124167 application** as required by 35 U.S.C. 119(b).

**Reasons for Allowance**

The following is an examiner's statement of reasons for allowance:

5. Regarding claim 1, claim is allowable over prior art of record because the cited references cannot teach or suggest the uniquely distinct features "a frequency synthesizer using interpolation mid a linear feedback shift register, coupled to said micro processing unit, for synthesizing said digital signal sequence to a plurality of synthesized signals".

6. Regarding claim 10, claim is allowable over prior art of record because the cited references cannot teach or suggest the uniquely distinct features "wherein said intermediate frequency processor comprises a frequency synthesizer using interpolation and a linear feedback shift register, coupled to said micro processing unit, synthesizing said digital signal sequence to a plurality of synthesized signals".

7. Regarding claim 22, claim is allowable over prior art of record because the cited references cannot teach or suggest the uniquely distinct features "using interpolation and a linear feedback shift register to synthesize said digital signal sequence to a plurality of synthesized signals".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Tran whose telephone number is 571-272-3007. The examiner can normally be reached on Monday - Friday from 08:00 AM - 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Application/Control Number: 10/605,399

Page 5

Art Unit: 2611

Khanhcong Tran

05/12/2007

Khanh Tran

*Primary Examiner, AU 2611*